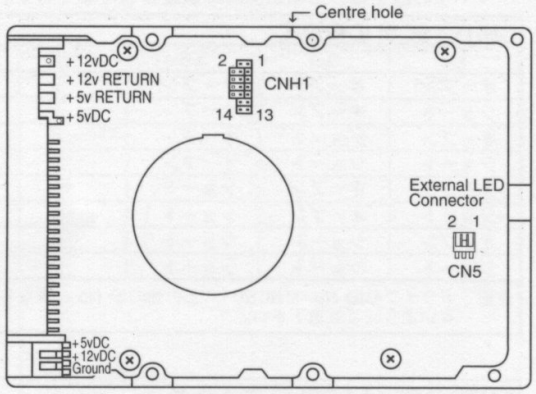
M2681TA, M2682TA, M2684TA
3.5-inch, ATA Interface Hard Disk Drive
Jumper Settings

FUJITSU

Below is a diagram of the main board for the Fujitsu M268XTA series of ATA interface disk drives and also a summary of the user-selectable options including guidelines for installation of the drives.



System BIOS Parameters

When installing this drive in any PC-AT computer, the system BIOS will need the following information to successfully read and write to the disk. The formatted capacity of each drive can only be guaranteed if these parameters are used.

Model	Cyl	Hds	SCT	Wpcom	LZone	Capacity
M2681TA	977	11	48	0	0	264MB
M2682TA	992	11	63	0	0	352MB
M2684TA	1024	16	63	0	0	528MB

External operator panel connector CN5

Pin	Signal
01	LED(V)
02	-LED

All default settings are marked*

Jumper Settings for CNH1

Pin	Function	Open	Short	Remarks
1- 2	Drive type select	Slave	Master*	—
3- 4	I/O Channel Ready Signal Output	No*	Yes	Support needed from host
5- 6	ACMODE connected to interface	No*	Yes	Support needed from host(Note 1)
7- 8	Auto Idle control	Enable*	Disable	—
9-10	CSEL connected to interface	No*	Yes	Support needed from host(Note 2)
11-12	RESERVED	—	—	Not used
13-14	RESERVED	—	Selected*	Do not change

Note1 ACMODE : AC Mode is a special feature which allows the system to tell the drive whether or not the drive's own power save functions take priority over any power commands issued from the system. This function is assigned to pin 28 of the interface when the ACMODE jumper is installed. This signal should not be used unless you are certain that your system supports this feature.

Note2 CSEL : Cable select mode gives an alternative method by which the drive may be set to MASTER or SLAVE. A special cable is needed to implement this feature and should only be used if supported by BOTH drives. CSEL mode should be used in conjunction with SLAVE and without ACMODE.

ORIENTATION
The drive may be installed in one of three orientations; PCA down or on either edge. Inclination from vertical or horizontal should not exceed 5°

MOUNTING SCREW FIXING
When the mounting screw holes on the side of the drive are used, then use only the two pairs of outer holes. Do not use the centre hole in conjunction with only one of the outer holes. Drives with the suffix TAM accept M3 screws while drives with the suffix TAU accept #6-32UNC screws. The screw must not penetrate the drive by more than 4 millimetres.

GROUNDING
Sufficient grounding will be provided for correct operation when the drive is screwed into an electrically grounded frame.

COOLING
Allow space above and below the drive to provide for adequate air flow. Fan cooling is recommended. The disk enclosure temperature, measured at top centre, should never exceed 60℃.

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